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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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09/936,983

09/19/2001

Marco Winter

PD990019

2973

7590

06/29/2006

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EXAMINER

VENT, JAMIE J

ART UNIT

PAPER NUMBER

2621

DATE MAILED: 06/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/936,983

Applicant(s)

WINTER ET AL.

Examiner

Jamie Vent

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 September 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-12 rejected under 35 U.S.C. 102(b) as being unpatentable by Kikuchi et al (US 5,870,523).

[claims 1 & 7]

In regard to Claims 1 and 7, Kikuchi et al discloses a method for implementing trickplay modes in a bitstream recorder (STRD): Wherein the bitstream is organized in stream objects (SOB) and access to the bitstream is performed using access units (AU) (Figure 6 shows VOBUs which are the bitstream organization is performed) and access unit information is attached to the stream objects of the bitstream and to navigation data recorded, or to be recorded, and wherein said access unit information includes an access unit start map (AUSM), and optionally an access unit end map (AUZM), which are used in the trickplay modes together with the navigation data for access to the bitstream (Figure 6 element 86 shows a navigation map and Figure 35a shows the mapping information).

[claims 2 & 8]

In regard to Claim 2, Kikuchi et al discloses a method according to claim 1, wherein said trickplay modes include fast forward, fast reverse, slow motion, single picture step

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and/or still picture (Column 1 Lines 40-44 describes the fast forward, reverse, and still picture trickplay).

[claims 3 & 9]

In regard to Claim 3, Kikuchi et al discloses a method according to claim 1 or 2, wherein said bitstream contains access unit start and access unit end marks which indicate the start or the end of an access unit (Column 23 Lines 48+ describes the start and end marks that indicate the start and end of an access unit).

[claims 4 & 10]

In regard to Claim 4, Kikuchi et al discloses a method wherein said access unit information includes an access unit start map (AUSM) and optional one or more of access unit end map (AUEM), access unit start location list (AUSLL) and access unit end location list (AUELL) (Figure 35a shows the access start map and described in Column 29 Lines 25+).

[claims 5 & 11]

In regard to Claim 5, Kikuchi et al discloses a method according to claim 4 wherein, if the access unit end map (AUEM) exists, for each access unit start map (AUSM) entry an access unit end map (AUEM) entry is provided (Figure 32 shows the access map wherein the entry of the end point is illustrated in VOB end address) .

[claims 6 & 12]

In regard to Claim 6, Kikuchi et al discloses a method wherein the index of each access unit end map entry is equal to or greater than the entry index of its corresponding access unit start map entry and is less than the index of the immediately

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following access unit start map entry if any following access unit start map entry exists (Figure 42 shows the process wherein the index of the access unit is greater than the index of start map).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Meriweather (US5,357,546)

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamie Vent whose telephone number is 571-272-7384. The examiner can normally be reached on 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JJV



THAI TRAN
PRIMARY EXAMINER